

# Robert W. Lamb

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## Education

Ph.D. Ecology, Brown University. 2013-2018 (expected graduation) Advisor: Jon Witman

Relevant coursework: Community Ecology, Biogeography, Experimental Design, Interacting with Data  
Thesis: "Environmental and biological drivers of reef fish diversity and herbivory in the Galapagos Islands"

M.Sc. Tropical Ecology, Universidad San Francisco de Quito. 2009-2011 Advisor: Luis Vinueza

Relevant coursework: Conservation Biology, Climate Change, Genetic Resources, Statistics  
Thesis: "Effects of regional oceanography and local factors on tropical rocky intertidal biogeography"

B.Sc. Biology, Oregon State University. 2004-2008 Advisor: Mark Hixon

Relevant coursework: Marine Biology, Physiology, Microbiology, Biochemistry, Ecology, Zoology  
Thesis: "Trophic restructuring of coral reef fish communities in a large marine reserve"

B.A. International Studies, Oregon State University. 2004-2008 Advisor: Mark Hixon

Relevant coursework: Latin American (LA) History, LA Geography, LA Culture, Indigenous Ecology  
Thesis: "Marine reserves in the Bahamas and Ecuador: a scientific and socioeconomic perspective"

## Experience

- Research Associate, Universidad San Francisco de Quito 2011-2013
  - Co-taught class on field marine ecology along Ecuadorian coast (2 semesters, field and class components)
  - Managed new research lab (Luis Vinueza, PI), organized field research trips (intertidal community ecology), directed lab purchases and equipment maintenance
  - Designed, funded, sourced, and built a wet lab for marine research at the Galapagos Science Center
- U.S. Fulbright Fellow to Ecuador 2008-2009
  - Directed fisheries research in coastal towns along the Ecuadorian province of Esmeraldas
  - Developed and delivered community training modules and marine science education programs
  - Managed local communications and event planning for the inauguration of the Galera San Francisco Marine Reserve
- Oregon Sea Grant Undergraduate Fellow (PI: Bruce Menge, OSU) 2007-2008
  - Designed and carried out independent research project on intertidal microhabitats and the effects of slope, light, and humidity on organism survival and community development
- Marine Biology Research Assistant (PI: Mark Hixon, OSU) 2005-2008
  - Designed and carried out independent research project on the effects of marine reserves in the Bahamas on fish community structure and function
  - Aided in field projects studying the effects of invasive lionfish on native fish recruitment and survival, and metapopulation dynamics in the bicolor damselfish
  - Acted as principal scuba diver for field research and laboratory data analysis
- Marine Conservation Intern (Equilibrio Azul, Puerto Lopez, Ecuador) 01-05/2006
  - Monitored illegal shark fishery in Puerto Lopez, recording catches, sizes, and fishing effort
  - Monitored sea turtle nesting on beaches in the Machalilla National Park, establishing a protected nesting beach

## Publications

Witman J., Lamb RW, and Byrnes JEK. 2015. Towards an integration of scale and complexity in marine ecology. *Ecological Monographs*, 85(4): 475-504.

Lamb R.W., Smith F., Campos A., and Vinueza L.R. 2011. Effects of regional oceanography and local factors on the biogeography of a tropical rocky intertidal shore. USFQ Masters Thesis.

Lamb R.W. and Johnson D.W. 2010. Trophic restructuring of coral reef fish communities in a large marine reserve. *Marine Ecology Progress Series*, 408: 169-180.

Lamb R.W. 2008. Effects of light availability on community structure in a temperate intertidal ecosystem. Oregon Sea Grant Undergraduate Fellowship Archives.

## Grants/Fellowships

<u>Award</u>	<u>Amount (\$)</u>	<u>Year</u>
• IBES Graduate Research Grant	9,000	2015
• Brown Global Mobility Graduate Research Fellowship	9,000	2015
• 2 <sup>nd</sup> Rufford Small Grant	10,000	2014-2015
• Lerner-Gray Fund for Marine Research	2,000	2014-2015
• Watson Institute International Research Award	2,500	2014
• Sidney Frank Fellowship	3,800	2014
• Rufford Small Grant for Conservation	10,000	2011-2012
• Universidad San Francisco de Quito Research Grant	2,500	2010-2011
• Universidad San Francisco de Quito Graduate Fellowship	8,500	2009-2011
• US Fulbright Fellowship to Ecuador	14,000	2008-2009
• Sea Grant Undergraduate Research Fellowship (OSU)	12,000	2008
• Youth Achievement Scholarship, Rotary Club of Portland	10,000	2004-2008
• HHMI Undergraduate Research Scholarship	3,800	2007
• URISC Undergraduate Research Grant (OSU)	1,800	2007
• Merrill Family Fund Scholarship (College of Science)	2,000	2007
• Gilman Scholarship, Institute of International Education	4,000	2005

## Presentations

- “Cashes Ledge as a Marine National Monument: a scientist’s perspective.” Seacoast Science Center, Portsmouth, New Hampshire. 04/2016
- El Niño related changes in fish communities of the Galapagos Islands.” Benthic Ecology Meeting, Portland, Maine. 03/2016
- “Fish diversity and ecosystem function in the Galapagos Marine Reserve.” Rufford Grants Regional Conservation Conference, Valparaiso, Chile. 05/2015
- “Flow-driven shifts in herbivore guild dominance and subtidal ecosystem function.” Benthic Ecology Meeting, Quebec City, Canada. 03/2015
- “Diversidad y funcionamiento de ecosistemas submareales de Galapagos.” Fundación Charles Darwin, Puerto Ayora, Galapagos. 08/2014
- “Drivers of marine community structure in dynamic oceanographic systems.” Benthic Ecology Meeting, Jacksonville, FL. 03/2014
- “Seasonal and Latitudinal Gradients in Rocky Intertidal Communities of Ecuador.” Graduate Symposium, Universidad San Francisco de Quito. 06/2011
- “Artisanal fisheries on the Ecuadorian coast: analysis of current efforts and issues to be resolved.” U.S. Fulbright Commission South American Regional Conference. 04/2009
- “Effects of a marine reserve on coral reef fish community structure.” North American Fisheries Society Western Regional Conference. 04/2008
- “International opportunities in higher education.” Oregon State Board of Education. 05/2006

## Skills

- Field Research: experimental design; collection, analysis, and interpretation of ecological data; underwater research methods including SCUBA, snorkel, marine drilling, visual censuses, experimentation; PADI - SCUBA certification through Rescue Diver level and AAUS Research Diver certification.
- Computer proficiency: R, JMP, Microsoft Office, Image J, Primer, Photoshop, HTML, CSS, JavaScript, D3, Adobe Premier.
- Laboratory Skills: tissue dissections; DNA/RNA sample preparations; microscope histopathology.
- Science Communication: social media/blogging; writing for popular press; interactive and dynamic presentations; documentary filmmaking

## Other

- “Best scientific message submission” and publication on the NY Times Science section for the stop-animation film “A Tale of Two Urchins”. 2014. Sofia Castello y Tickell, Robert Lamb, Jon Witman, and Casey Dunn. <http://www.nytimes.com/video/science/10000002735051/creaturecast-a-tale-of-two-urchins.html>
- Viewer’s choice runner-up at the 6<sup>th</sup> annual Beneath the Waves Film Festival for best short documentary “Marine Ecology in Easter Island”. <https://www.youtube.com/watch?v=gDkOOrohkJ8>
- Official selection of the 7<sup>th</sup> annual Beneath the Waves Film Festival for the short documentary “Cashes Ledge: Jewel of the Gulf of Maine”. <https://www.youtube.com/watch?v=2SRU96HZ5Sc>